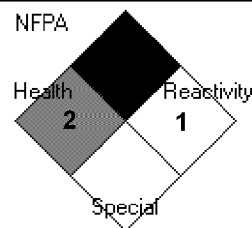


MSDS - Material Safety Data Sheet**Product Name: INDUSTRIAL CHAIN LUBRICANT WITH MOLY****MSDS No.: L716****I. Basic Information:****Manufacturer:** RADIATOR SPECIALTY COMPANY**Address:** 600 RADIATOR ROAD**City, ST Zip:** INDIAN TRAIL, NC 28079**Emergency Contact:** Rocky Mountain Poison Control Center**Emergency Telephone Number:** 303-623-5716**Contact:** Robert Geer**Information Telephone Number:** 704-688-3430**Last Update:** 04/28/2005**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

2	Health
1	Reactivity
H	Pers. Protection

II. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
124389	Carbon dioxide	1.0 - 5.0							N/AV	5000 ppm	
1317335	Molybdenum Disulfide	0.1 - 1.0							N/E	N/E	
64742525	Naphthenic Petroleum Distillate	15.0 - 40.0							5 mg/m3	5 mg/m3	
57114	Stearic acid	1.0 - 5.0							N/D	N/D	
127184	Tetrachloroethylene	60.0 - 100.0	X	X			X		25 ppm	25 ppm	

III. Hazardous Identification:**Hazard Category:**☒ Acute☒ Chronic☐ Fire☒ Pressure☐ Reactive**Hazardous Identification Information:**

Danger: Harmful for fatal if swallowed, Eye and Skin Irritant, Contents under pressure.

Level 1 Aerosol

IV. First Aid Measures:**Route(s) of Entry:**

Eyes, skin, inhalation, ingestion

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Irritant. Skin irritation, defatting and dermatitis on prolonged exposure.
 Vapors harmful. May cause irritation to lungs, narcosis effects.
 Harmful if swallowed. May cause kidney or liver damage.

Medical Conditions Generally Aggravated by Exposure:

None known

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Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids and get prompt medical attention.
Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.
Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.
Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

V. Fire Fighting Measures:

Flash Point: >300°F

Lower Explosive Limit: N/D

Upper Explosive Limit: N/D

F.P. Method: COC

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

Unusual Fire and Explosion:

Contents under pressure. At elevated temperatures, container may vent, rupture, or burst violently. Vapors of this product may present a future health hazard in poorly ventilated areas. May liberate corrosive hydrochloric acid or toxic phosgene fumes

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Shovel up and place contaminated material into an approved chemical waste container. Where possible, vacuum spilled material to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:

Precautions to be Taken:

Vapors are heavier than air and will collect in low areas. This material or its vapors when in contact with flames, hot glowing surfaces or electric arcs can decompose to form hydrogen chloride gas and possible traces of phosgene. Avoid contamination with water supplies.

Other Precautions:

Do not use in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.
KEEP AWAY FROM CHILDREN AND ANIMALS!

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

See Section 2 for applicable exposure limits. Maintain adequate ventilation.
Avoid breathing vapors. In restricted areas, use respirator with approved chemical filters designed to remove vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limit

Personal Protective Equipment:

For prolonged exposure wear protective safety glasses, gloves, and apron.

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IX. Physical and Chemical Properties:

Boiling Point: N/D

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/D

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H2O = 1): 1.15000

Vapor Density (AIR = 1): N/D

Solubility In Water: Insoluble

Appearance and Odor: Thin, oily molybdenum disulfide suspension with chlorinated odor.

Other Information: VOC Content: < 0.5%

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizers and aluminum powder

Decomposition/By Products:

May form carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, phosgene, and various hydrocarbons.

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

XIV. Transport Information:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are either exempt or listed on the US TSCA Inventory.

CERCLA RQ: 1000 lbs

SARA 302: Not listed as a Extremely Hazardous Substance

SARA 311/312 HAZARD CLASS: Acute, Chronic

Warning: This product contains a chemical known to the State of California to cause cancer.

NEW JERSEY RIGHT-TO-KNOW: Tetrachloroethylene

XVI. Other Information:

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KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

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